

STUDIES IN THE EUPATORIEAE (ASTERACEAE). CXXVI.

A NEW SPECIES OF AGERATUM.

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The preparation of a floristic treatment of the Eupatorieae of Panama has resulted in recognition of an endemic and previously undescribed species of Ageratum. The species is notable for its completely glabrous involucre and rather cordate lower leaves. The species has the leaf, achene and involucral structures of the section Coelestina but has coarser and more pilose stems as in many members of the section Ageratum.

The new species is named for Royce L. Oliver, formerly on the staff of the Missouri Botanical Garden, whose many collections have contributed to our knowledge of the Flora of Panama.

Ageratum oliveri R. M. King & H. Robinson, sp. nov.

Plantae annuae vel subperennes herbaceae vel suffrutescentes erectae usque ad 1 m altae paucè ramosae. Caules brunneoli vel rubescentes teretes leniter striati saepe late fistulosi parce vel dense longe pilosi et saepe parce puberuli. Folia plerumque opposita, petiolis usque ad 4 cm longis; laminae late ovatae usque ad 9 cm longae et 8 cm latae, base saepe leniter cordatae margine crenatae vel serrato-crenatae apice breviter vel distincte acuminatae supra flavo-vel obscuro-virides laeves longe sparse pilosae subtus pallidae carnosae immerge glandulo-punctatae in nervis et nervulis longe pilosae prope basem valde trinervatae. Inflorescentiae cymosae vel subcymosae, ramis conferte corymbosis vel subumbellatis dense breviter puberulis, pedicellis 1-9 mm longis superne non crassioribus. Capitula ca. 5 mm alta, squamae involucri 20-25 eximbricatae biseriatae 3-4 mm longae lanceolatae bicostatae margine non scariosae apice argute acutae extus glabrae; receptacula glabra. Flores ca. 60-75 plerumque lavenduli. Corollae 2.3-2.7 mm longae anguste infundibulares, tubis aliquantum latis ca. 1 mm longe paucè minute glanduliferis, limbis glabris, lobis ca. 0.5 mm longis extus paucè breviter piliferis superne paucè papillosis; thecae antherarum 0.8-0.9 mm longae, appendicibus rotundatis ca. 150 μ longis et latis; rami stylorum longi superne non vel vix crassiores minute acute papillosi. Achaenia ca. 1.5 mm longa glabra; carpodia excentrica, pappis nullis vel breviter coroniformibus usque ad 0.3 mm altis. Grana pollinis

18-20 μ diam.

Type: PANAMA: Panama: Cerro Jefe along main road before turnoff to summit, Croat 13062 (Holotype MO! Isotype US). Paratypes: PANAMA: Panama: 7 mi N of Cerro Azul on road to Cerro Jefe, 2600 ft, Blum et al 1771 (FSU); Goofy Lake to about 8 mi S of Goofy Lake toward Cerro Jefe, Dwyer 7055 (MO); Cerro Jefe, Gentry 2867 (MO); along road to Cerro Azul, 1600 ft, Tyson 6328 (FSU, MO).

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Ageratum oliveri R.M.King & H.Robinson, Holotype,
Missouri Botanical Garden.